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(54) Title: NEUROPROTECTIVE IRON CHELATORS AND PHARMACEUTICAL COMPOSITIONS COMPRISING THEM

(57) **Abstract:** Novel iron chelators exhibiting neuroprotective and good transport properties are useful in iron chelation therapy for treatment of a disease, disorder or condition associated with iron overload and oxidative stress, eg. a neurodegenerative or cerebrovascular disease or disorder, a neoplastic disease, hemochromatosis, thalassemia, a cardiovascular disease, diabetes, a inflammatory disorder, anthracycline cardiotoxicity, a viral infection, a protozoal infection, a yeast infection, retarding ageing, and prevention and/or treatment of skin ageing and skin protection against sunlight and/or UV light. The iron chelator function is provided by a 8-hydroxyquinoline, a hydroxypyridinone or a hydroxamate moiety, the neuroprotective function is imparted to the compound e.g. by a neuroprotective peptide, and a combined antiapoptotic and neuroprotective function by a propargyl group.

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